Cisco RV110W Wireless-N VPN Firewall

Simple, Secure Connectivity for the Small Office/Home Office

Figure 1. Cisco RV110W Wireless-N VPN Firewall

The Cisco® RV110W Wireless-N VPN Firewall provides simple, affordable, highly secure, business-class connectivity to the Internet for small offices/home offices and remote workers.

The Cisco RV110W combines wired and wireless connectivity for small offices and remote workers with a high-speed, 802.11n wireless access point; a 4-port 10/100 Mbps Fast Ethernet switch; an intuitive, browser-based device manager; and support for the Cisco FindIT Network Discovery Utility, all at a very affordable price. Its combination of business-class features, support for virtual networks to enable highly secure guest access, simple installation, and top-quality user experience takes basic connectivity for small businesses with five or fewer employees to a new level. See Figure 1.

Product Overview

The Cisco RV110W Wireless-N VPN Firewall features:

- High-speed, standards-based 802.11n wireless connectivity improves throughput and coverage, allowing employees to stay productive while away from their desks
- Integrated 4-port 10/100 switch, enabling you to connect to computers, printers, IP phones, cameras, and other devices
- Proven firewall with access rules support and advanced wireless security helps keep business assets safe
- Quality of service (QoS) support for enhanced voice, video, and data traffic

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- Support for separate “virtual” networks, enabling you to control access to sensitive information and to set up highly secure wireless guest access
- IP Security (IPsec) Site-to-Site Tunneling and Point-to-Point Tunneling Protocol (PPTP) VPN support, providing highly secure remote access connectivity for Windows and Mac OS computers
- Support for IPv6, the latest Internet Protocol technology, to help your network accommodate new technologies
- Simplified configuration through an intuitive, browser-based device manager
- Support for the Cisco FindIT Network Discovery Utility

Figure 2 shows the back panel of the Cisco RV110W. Figure 3 shows a typical configuration using the firewall.

Figure 2. Back Panel of the Cisco RV110W Wireless-N VPN Firewall

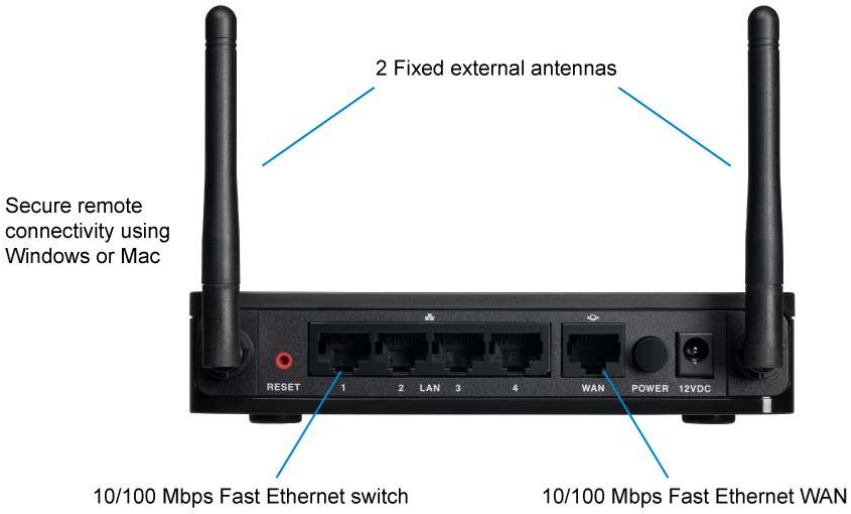
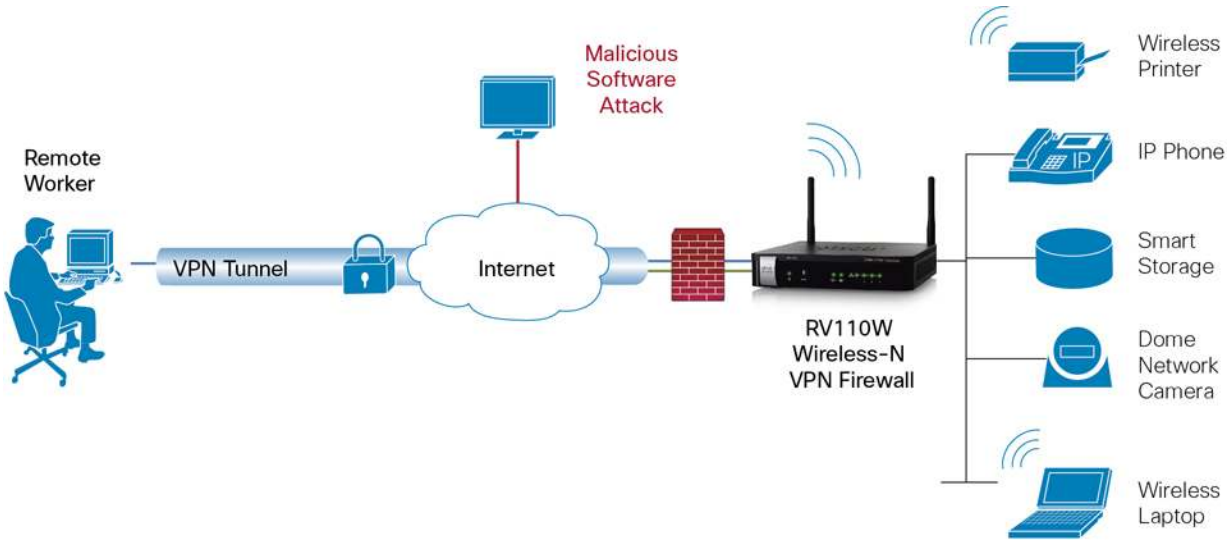


Figure 3. Typical Configuration for Cisco RV110W Wireless-N VPN Firewall



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Product Specifications

Table 1 gives the product specifications for the Cisco RV110W.

Table 1. Product Specifications

Feature	Description
Routing	• Static routing • Dynamic routing • Routing Information Protocol (RIP) v1 and v2 • Inter-VLAN routing
Layer 2	• 802.1Q-based VLANs • 4 active VLANs (3 to 4094 range)
Network	• Dynamic Host Configuration Protocol (DHCP) server • Point-to-Point Protocol over Ethernet (PPPoE) • Point-to-Point Tunneling Protocol (PPTP) • Layer 2 Tunneling Protocol (L2TP) • DNS proxy • DHCP relay agent • IGMP Proxy and multicast forwarding • Internet Group Management Protocol (IGMP) proxy and multicast forwarding • Rapid Spanning Tree Protocol (RSTP) • Dynamic DNS (DynDNS), TZO, 3322.org) • Network Address Translation (NAT), Port Address Translation (PAT) • Port management • Port Mirroring • Software-configurable network edge (DMZ) to any LAN IP address
IPv6	• Dual-stack IPv4 and IPv6 • 6to4 tunneling • Multicast Listener Discovery (MLD) for IPv6 (RFC 2710) • Stateless address auto-configuration • DHCP v6 Server for IPv6 Clients on LAN • DHCP v6 client for WAN connectivity • Internet Control Message Protocol (ICMP) v6 • Static IPv6 Routing • Dynamic IPv6 Routing with RIPng • IPv6 Rapid Deployment
Security	• Stateful packet inspection (SPI) firewall • Port forwarding and triggering • Firewall Access Control Lists and Content Filtering • Denial-of-service (DoS) prevention • MAC-based wireless access control • Static URL blocking or keyword blocking • Schedule-based Internet access policy • HTTPS web access to the device manager • Username/password complexity enforcement • Self-signed SSL certificate • Import and export certificate using Privacy-Enhanced Mail (PEM) format
VPN	• 5 IPsec client sessions using Cisco QuickVPN client • 5 PPTP client sessions for remote client access • Triple Data Encryption Standard (3DES) VPN pass-through of PPTP, L2TP, and IPsec • 1 IPSec Site-to-Site tunnel

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Feature	Description
Quality of service (QoS)	• 802.1p port-based priority on LAN port, application-based priority on WAN port • 4 queues • Differentiated Services Code Pointsupport (DSCP) • Class of Service (CoS) • Bandwidth Management for service prioritization
Management	• Simple Network Management Protocol (SNMP) v3 • Event logging: local, syslog, email alerts • Firmware upgradable through web browser • Imported/exported configuration in text format • Simple browser-based configuration (HTTP/HTTPS) • Bonjour and Universal Plug and Play (UPnP) • Network diagnostics: Ping, Traceroute, and DNS Lookup
Performance	• NAT throughput: 90 Mbps • Concurrent sessions: 5,000 • VPN throughput: 5Mbps

Wireless LAN Specifications

Table 2 gives the wireless specifications for the Cisco RV110W.

Table 2. Wireless LAN Specifications

Feature	Description
WLAN hardware	IEEE 802.11n standard-based access point with 802.11b/g compatibility Radio and modulation type: • 802.11b: direct sequence spread spectrum (DSSS) • 802.11g/n: orthogonal frequency division multiplexing (OFDM) • 2 omnidirectional 1.8 dBi gain fixed external antennas Operating channels: • 11 in North America • 13 in most of Europe • Automatic channel selection Transmit power: • 802.11b: 17 dBm +/- 1.5 dBm • 802.11g: 15 dBm +/- 1.5 dBm • 802.11n: 12.5 dBm +/- 1.5 dBm Receiver sensitivity: • -87 dBm at 11 Mbps • -71 dBm at 54 Mbps • -68 dBm at msc15, HT20 / -66dBm at mcs15, HT40
Wireless Domain Services (WDS)	• Allows wireless signals to be repeated by up to 3 compatible devices
Wi-Fi Multimedia (WMM)	• WMM with QoS (802.11e), WMM power save (WMM-PS)
Active WLAN clients	• Up to 32 clients
Service Set Identifiers (SSIDs)	• Up to 4 separate wireless networks
Wireless isolation	• Wireless isolation between clients
WLAN security	• WPS (Wi-Fi Protected Setup), Wired Equivalent Privacy (WEP), Wi-Fi Protected Access (WPA) personal and enterprise, WPA2 personal and enterprise

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System Specifications

Table 3 gives the system specifications for the Cisco RV110W.

Table 3. System Specifications

Feature	Description
WAN	One 10/100 Mbps Fast Ethernet WAN port
LAN	Four 10/100 Mbps Fast Ethernet LAN ports
WLAN	Built-in 802.11n wireless access point
LEDs	Power, WPS, WAN, Wireless, LAN (ports 1-4)
Switch	Power button (on/off)
Physical dimensions and weight	• W x D x H = 5.91 in. x 5.91 in. x 1.18 in. (150 mm x 150 mm x 30 mm) • Weight: 0.61 lb (0.3 kg)
Power	12V 1A
Certifications	• FCC Class B • CE • IC • cUL • Wi-Fi
Environmental operating range	• Operating temperature: 0°to 40℃ (32°to 104℉) • Storage temperature: –20°to 70℃ (–4°to 158℉) • Operating humidity: 10% to 85% noncondensing • Storage humidity: 5% to 90% noncondensing

Configuration Requirements

Table 4 lists the configuration requirements for the Cisco RV110W.

Table 4. Configuration Requirements

Feature	Description
Network adapter	PC with network adapter and Ethernet cable
Web-based configuration	Web browser

Ordering Information

Table 5 gives ordering information for the Cisco RV110W.

Table 5. Ordering Information

Part Number	Product Name
RV110W-A-NA-K9	Cisco RV110W Wireless-N VPN Firewall (USA)
RV110W-E-G5-K9	Cisco RV110W Wireless-N VPN Firewall (Europe)
RV110W-A-CA-K9	Cisco RV110W Wireless-N VPN Firewall (Canada)
RV110W-A-AU-K9	Cisco RV110W Wireless-N VPN Firewall (Australia)
RV110W-E-CN-K9	Cisco RV110W Wireless-N VPN Firewall (China)
RV110W-A-AR-K9	Cisco RV110W Wireless-N VPN Firewall (Argentina)

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Warranty Information

Find warranty information on Cisco.com at the Product Warranties page.

For More Information

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Printed in USA C78-660141-01 08/12

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